

**UNIVERSITY OF MADRAS**  
**B.Sc. DEGREE COURSE IN SOFTWARE APPLICATION**  
**SYLLABUS WITH EFFECT FROM 2020-2021**

**BSA-CSC16**

**CORE-XVI: PRACTICAL - VII**  
**OPEN SOURCE TECHNOLOGIES LAB**  
(Common paper to BCA-IV Sem.)

**III YEAR / VI SEM**

**OBJECTIVES:**

- To be aware of the various open source software available for different problem needs
- To be familiar with the usage of the software like installation and configuration

**OUTCOMES:**

- Students must be able to use appropriate open source tools based on the nature of the problem
- Students should be able to code and compile different open source software

**Program List:**

1. Study and usage of Libre Office Suite – Writer, Calc& Impress
2. Text Processing with PERL
3. Simple Applications using PHP
4. Simple Applications using Python
5. Image editing using GIMP
6. Study and usage of Business Intelligence tools – BIRT, JMagallanes
7. Creation of network diagrams using GraphViz
8. Linux Installation
9. Software Configuration in Linux environment.
10. Version Control System using Git.